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CLAIMS

What is claimed is:

- 1 1. A wireless modem comprising:
 - 2 a processor;
 - 3 a memory coupled to said processor, said memory
 - 4 comprising a software stack configured to hold
 - 5 one or more sequences of instructions for causing
 - 6 said processor to handle a wireless protocol;
 - 7 a RF transceiver coupled to said processor; and
 - 8 an interface coupled to said processor, said interface
 - 9 configured to receive signals from an external
 - 10 device; wherein
 - 11 said processor is configured to handle said signals
 - 12 from said external device over said interface,
 - 13 and wherein said processor is further configured
 - 14 to handle one or more short message service
 - 15 messages delivered over said RF transceiver, said
 - 16 short message service messages comprising modem
 - 17 management information.

1 2. The wireless modem of claim 1, wherein said modem
2 management information comprises wireless modem
3 configuration parameters.

1 3. The wireless modem of claim 1, wherein said modem
2 management information includes a command for wireless
3 modem to perform a function stored internally to said
4 wireless modem.

1 4. The wireless modem of claim 1, wherein said processor
2 handles said one or more short message service messages
3 received over said RF transceiver by parsing data from one
4 or more said short message service messages, testing said
5 parsed data for a modem management command indicator, and
6 processing said short message service message if said modem
7 management command indicator is detected.

1 5. The wireless modem of claim 1, wherein said wireless
2 protocol is a global system for mobile communications
3 protocol.

1 6. The wireless modem of claim 1, wherein said wireless
2 protocol is a general packet radio services protocol.

1 7. A method for wireless modem management comprising the
2 steps of:
3 receiving a short message service message at a
4 wireless modem;
5 examining said short message service message for modem
6 management information;
7 processing said short message service message at said
8 wireless modem if said short message service
9 message comprises said modem management
10 information; and
11 passing said short message service message through
12 said wireless modem if said short message service
13 message does not comprise said modem management
14 information.

1 8. The method of claim 7, said step of examining
2 comprising the steps of:
3 parsing said short message service message;
4 testing said parsed short message service message for
5 a modem management command indicator, said
6 command indicator indicating whether said short
7 message service message includes said modem
8 management information; and
9 signaling to a processor in said wireless modem that a
10 command is waiting to be executed if said
11 processing designator is found.

1 9. The method of claim 7, wherein said step of processing
2 said short message service message at said wireless modem
3 includes initializing said wireless modem based upon said
4 modem management information contained in said short
5 message service message.

1 10. The method of claim 7, wherein said step of processing
2 said short message service message at said wireless modem
3 includes the step of checking a quality of a wireless
4 signal detected at said wireless modem.

1 11. The method of claim 7, wherein said step of processing
2 said short message service message at said wireless modem
3 includes the step of handling a request for a call log
4 history.

1 12. The method of claim 7, wherein said step of processing
2 said short message service message at said wireless modem
3 includes the step of selecting a RF channel for wireless
4 communications on said wireless modem.

1 13. The method of claim 7, wherein said step of processing
2 said short message service message at said wireless modem
3 includes the step of authenticating a party sending short
4 message service messages to said wireless modem.

1 14. The method of claim 7, wherein said step of processing
2 said short message service message at said wireless modem
3 includes the step of initializing communication parameters
4 for event detection and notification.

1 15. A computer-readable medium comprising one or more
2 sequences of instructions configured to cause a processor
3 to perform steps for modem management in a wireless modem,
4 said one or more sequences of instructions comprising the
5 steps of:
6 receiving a short message service message at a
7 wireless modem;
8 examining said short message service message for modem
9 management information;
10 processing said short message service message at said
11 wireless modem if said short message service
12 message comprises said modem management
13 information; and
14 passing said short message service message through
15 said wireless modem if said short message service
16 message does not comprise said modem management
17 information.

1 16. The computer-readable medium of claim 15, said step of
2 examining comprising the steps of:

3 parsing said short message service message;

4 testing said parsed short message service message for

5 a modem management command indicator, said

6 command indicator indicating whether said short

7 message service message includes said modem

8 management information; and

9 signaling to a processor in said wireless modem that a

10 command is waiting to be executed if said

11 processing designator is found.

1 17. The computer-readable medium of claim 15, wherein said

2 step of processing said short message service message at

3 said wireless modem includes initializing said wireless

4 modem based upon said modem management information

5 contained in said short message service message.

1 18. The computer-readable medium of claim 15, wherein said

2 step of processing said short message service message at

3 said wireless modem includes the step of checking a quality

4 of a wireless signal detected at said wireless modem.

1 19. The computer-readable medium of claim 15, wherein said
2 step of processing said short message service message at
3 said wireless modem includes the step of handling a request
4 for a call log history.

1 20. The computer-readable medium of claim 15, wherein said
2 step of processing said short message service message at
3 said wireless modem includes the step of selecting a RF
4 channel for wireless communications on said wireless modem.

1 21. The computer-readable medium of claim 15, wherein said
2 step of processing said short message service message at
3 said wireless modem includes the step of authenticating a
4 party sending short message service messages to said
5 wireless modem.

1 22. The computer-readable medium of claim 15, wherein said
2 step of processing said short message service message at
3 said wireless modem includes the step of initializing
4 communication parameters for event detection and
5 notification.